Compensation of the raman effect by pumping in a wavelength division multiplexed transmission system

Patent number:

AU3796300

Publication date:

2000-12-14

Inventor:

BIGO SEBASTIEN; HAMAIDE JEAN-PIERRE;

GAUCHARD STEPHANE

Applicant:

CIT ALCATEL

Classification:

- international:

H04B10/18; H04B10/18; (IPC1-7): H04B10/18;

H01S3/108; H04J14/02

- european:

H04B10/18C

Application number: AU20000037963D 20000606 Priority number(s): FR19990007324 19990610 Also published as:

EP1059747 (A1)

JP2001027770 (/
FR2796783 (A1)

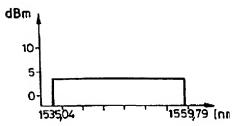
CA2309789 (A1)

Report a data error he

Abstract not available for AU3796300 Abstract of corresponding document: **EP1059747**

Short wavelength pump signals about 15 THz higher in frequency than the wavelength multiplexed signals in the guide are injected in either direction into the guide. This corrects the Raman resonance induced gain slope (4), by making use of the effect that Raman slope depends only on total power injected.

FIG_2



Data supplied from the esp@cenet database - Worldwide